

## New Weather Bureau Publications

### *Technical Paper Series*

Numbers issued in the Technical Paper Series since the last publication of the list (MWR Aug. 1957) are given below. All are for sale by the Superintendent of Documents, Government Printing Office, Washington 25, D.C.

No. 15. "Maximum Station Precipitation for 1, 2, 3, 6, 12, and 24 Hours": Part XXI, Illinois, 1958, 50 cents; Part XXII, Ohio, 1958, 65 cents; Part XXIII, California, 1959, \$1.50.

No. 29. "Rainfall Intensity-Frequency Regime": Part 2, Southeastern United States, 1958, \$1.25; Part 3, The Middle Atlantic Region, 1958, 30 cents.

No. 32. "Upper-Air Climatology of the United States": Part 1—Averages for Isobaric Surfaces, Height, Temperature, Humidity, and Density, 1957, \$1.25; Part 2—Extremes and Standard Deviations of Average Heights and Temperatures, 1958, 65 cents; Part 3—Vector Winds and Shear, 1959, 50 cents.

Part 1 contains tabulations and charts by months covering the Caribbean area and the United States including Alaska for the period 1946–55 and for the surface to the highest level for which sufficient data were available. Part 2 contains the monthly extremes and standard deviations for the temperature and height data presented in part 1. Part 3 presents seasonal charts of mean vector winds and standard deviations covering only the contiguous 48 States and for various pressure surfaces from 700 mb. to 30 mb.

No. 33. "Rainfall and Floods of April, May, and June, 1957 in the South-Central States," 1958, \$1.75.

Contains analyses of the meteorological situation from the general circulation, synoptic, and radar standpoints, a description of the flooding and damage, and tables of the daily and hourly rainfall at recording and nonrecording stations in the area.

No. 34. "Upper Wind Distribution Statistical Parameter Estimates," 1958, 40 cents.

Tabulations of such parameters of the wind data as direction and magnitude of vector mean wind, standard vector deviation, mean and standard deviation of zonal and meridional components, correlation of meridional to zonal components, angle of rotation of elliptic axes of wind distribution, standard deviation of components along major and minor axes of ellipse, ratio of standard vector deviation to square root of difference between squares of scalar and vector means. Covers Northern Hemisphere and mostly period 1948 to 1953.

No. 35. "Climatology and Weather Services of the St. Lawrence Seaway and Great Lakes," 1959, 45 cents.

Descriptive climatology of area with illustrative charts.

### *Storm Data*

A new publication *Storm Data* was begun in January 1959. This monthly periodical consists of the information on storms and storm damage formerly contained in *Climatological Data—National Summary*. It has been separated from the parent publication and the tabulation somewhat streamlined to speed up presentation of the storm statistics. Price: 15 cents per copy; annual subscription \$1.50 domestic, \$2 foreign.